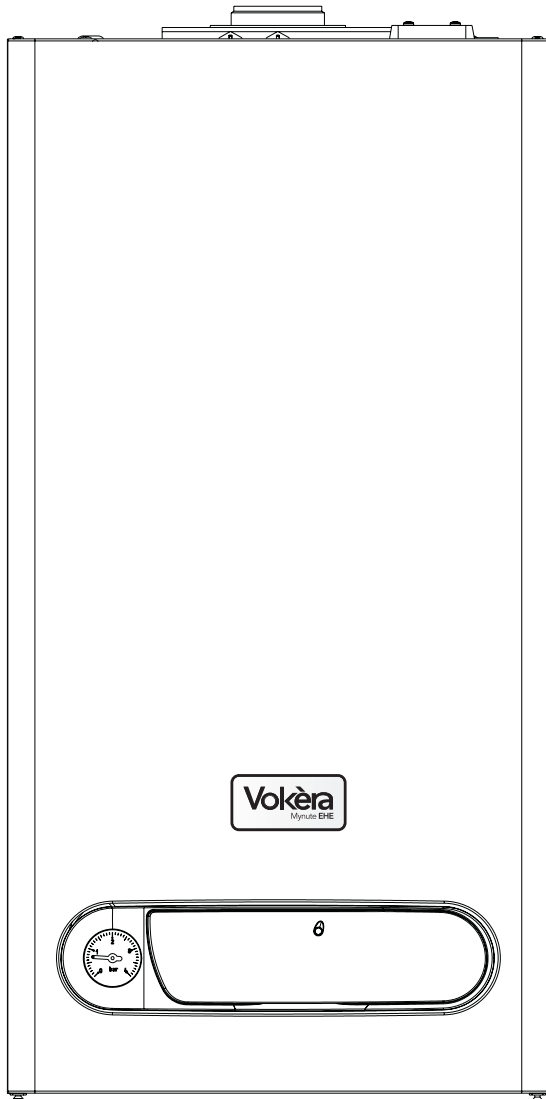


Mynute EHE

High efficiency system boiler



Users Instructions



**THESE INSTRUCTIONS
TO BE RETAINED
BY USER**



Vokèra is a licensed member of the Benchmark scheme which aims to improve the standards of installation and commissioning of domestic hot water systems in the UK.

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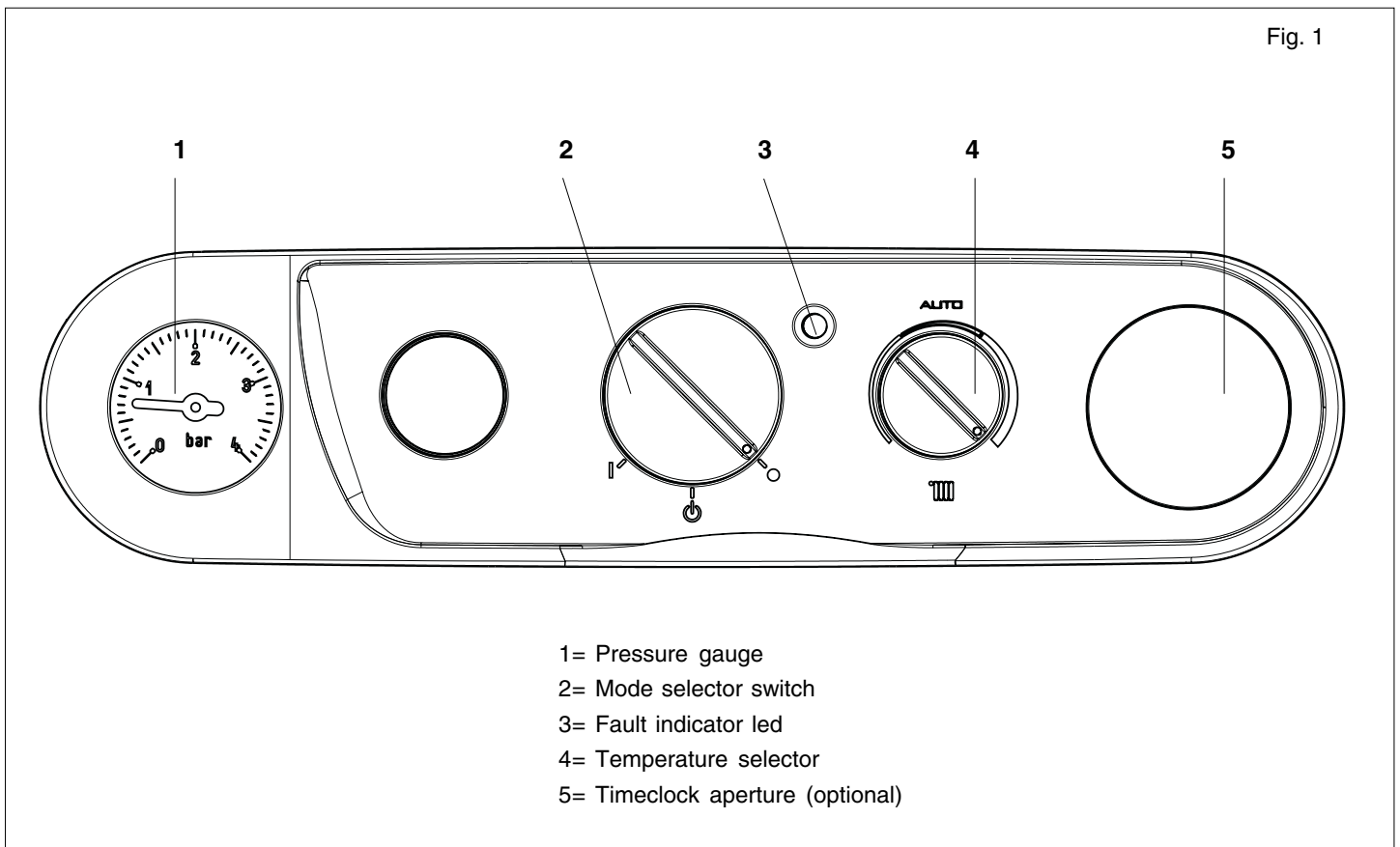
INTRODUCTION

Dear Customer

Your Mynute EHE boiler has been designed to meet and exceed the very latest standards in gas central heating technology and if cared for, will give years of reliable use and efficiency. Your Mynute EHE is a System boiler that provides heated water to radiators and/or a hot water cylinder. Features included are LED indicators showing the status of the appliance and system pressure gauge, frost protection and anti-pump seize function. Please therefore take some time to read these instructions carefully.

Do's and don't's

- Do ensure that the system pressure is periodically checked
- Do ensure that you know how to isolate the appliance in an emergency
- Do ensure that you are familiar with the appliance controls
- Do ensure that your installer has completed the appliance log book
- Do not attempt to remove the appliance casing or gain internal access
- Do not hang clothes etc. over the appliance
- Do not operate on sealed components
- Do not forget to have the appliance serviced annually.



THINGS YOU SHOULD KNOW

1.1 GAS APPLIANCE

Gas safety (Installation and Use) regulations

In the interests of your safety and that of others, it is a legal requirement that all gas appliances are installed and correctly maintained by a competent person and in accordance with the latest regulations.

1.2 ELECTRICAL SUPPLY

Please ensure that this appliance has been properly connected to the electrical supply by means of a double pole isolator or un-switched socket and that the correct size of fuse - 3 amp - has been fitted.

Warning: this appliance must be earthed!

1.3 EXPLANATION OF CONTROLS

The control panel includes a boiler thermostat, ON/OFF/RESET switch, pressure gauge and status LED.

1.3.1 SELECTOR SWITCH AT:

OFF: when the selector switch is in the 'OFF' position, the appliance will not function for hot water or heating. However the appliance will still operate in frost protection mode, and if unused for a period of 24 hours, will momentarily activate the pump to prevent seizure due to non-use.

NOTE

The appliance must have an electrical supply at all times for the frost protection and anti-seize modes to operate.

ON: when the selector switch is in the ON position, and any external controls such as time switch, room thermostat, cylinder thermostat are calling for heat, the boiler will operate to provide heating and/or hot water until the demand has been satisfied.

These instructions should be read in conjunction with any other instructions for controls that may have been fitted by your installer.

1.4 EXPLANATION OF FEATURES

Although the Mynute EHE has been designed for simplicity of use, it utilises the latest in boiler technology, enabling a host of functions to be carried out simultaneously.

1.4.1 FROST PROTECTION MODE

This function is only active when there are no requests for heating. When the temperature inside the appliance drops below 5 °C, the boiler will operate on minimum output until the temperature - within the appliance - reaches 35 °C.

1.4.2 AUTOMATIC TEMPERATURE CONTROL

The automatic temperature control function (SARA), permits the boiler (when the heating temperature selector is set within the AUTO sector) to automatically adjust (raise) the heating flow outlet temperature during inclement weather.

1.4.3 ANTI-SEIZE FUNCTION

Should the appliance remain inactive for a period of 24 hours, the pump will be activated for a few seconds to prevent seizure.

1.4.4 APPLIANCE STATUS INDICATORS

The Mynute EHE has status indicators that show if the appliance is working normally, if it needs 'topping up' or re-pressurising, or if it has a fault (see below).

1.5 GUARANTEE REGISTRATION CARD

Please take the time to fill out your guarantee registration card. The completed warranty card should be posted within 30 days of installation.

GETTING STARTED

2.1 BEFORE SWITCHING ON

Before switching the appliance on please familiarise yourself with:

- how to isolate the appliance from the gas, water, and electricity supplies
- how to check and top-up - if necessary - the system water pressure
- the time clock or programmer
- any external thermostats and their functions
- the appliance controls.

2.2 APPLIANCE CONTROLS (see fig. 1)

The appliance controls are concealed behind the front flap. To gain access to the controls simply lift upward to engage the holding clip.

The appliance has a mode switch, variable thermostat, system pressure gauge and an aperture for an integral clock or programmer. The mode switch has three positions:

- Reset
- Off
- On

The variable thermostat allows you to set the temperature of the water to your radiators and hot water cylinder (not the hot water to your taps!) between 40°C (min) and 80°C (max).

The pressure gauge shows the current pressure of the system, the gauge should be set between 1 and 1.5 BAR. When the appliance is operating the gauge may rise or fall slightly, this is quite normal. The minimum permissible level for the safe and efficient operation of the appliance is 0.5 bar. Should the pressure fall below 0.5 bar, the boiler shuts off automatically.

Depending on the type of controls specified by your installer you may have an integral Vokera time clock or programmer fitted to the appliance, if so, instructions can be found on page 6. If an external time clock or programmer has been fitted, please refer to the instructions supplied with such.

2.3 LIGHTING THE BOILER

Ensure the gas and electrical supply to the boiler are turned on. Turn the mode switch to the 'on' position. Refer to the particular instructions for the type of programmer or time clock fitted and ensure there is a demand for heating and/or hot water. If there is a room thermostat and/or hot water cylinder thermostat you should ensure these are also calling for heat.

When there is a demand for heating and/or hot water via the above controls the boiler will go through an ignition sequence, whereby the burner will light.

If the appliance fails to ignite during the ignition sequence, allow a period of two minutes before re-setting.

To adjust the output temperature of the appliance turn the thermostat knob clockwise to increase or anti-clockwise to decrease.

When the appliance reaches the set temperature, the burner will go off for minimum period of approximately 3 minutes.

When the programmer/time clock or external thermostats heating request has been satisfied, the appliance will switch off automatically.

HOW TO...

3.1 USE THE APPLIANCE FOR THE FIRST TIME

Before switching the appliance on please familiarise yourself on how to isolate the appliance from the electricity, gas and water supplies. If in doubt contact your installer.

3.2 USE THE MODE SELECTOR SWITCH

Turn the mode selector switch to the OFF position, switch on the electrical supply to the appliance. The green LED should be flashing, you may now switch the boiler selector switch to the ON position.

3.3 RE-PRESSURING THE SYSTEM

The system will need re-pressurising if the red LED is illuminated and the pressure gauge is reading below 0.4bar. Locate the filling valve and if necessary connect the loop (fig. 2) slowly open the valve until you hear the water entering the appliance. The red LED will go out first. Go on with re-pressuring until the pressure shown on the manometer is between 1 & 1.5 bar (fig. 3). The appliance must not be operated until the system has been re-pressurised. If in doubt contact your installer.

3.4 SHUT DOWN THE SYSTEM FOR SHORT PERIODS

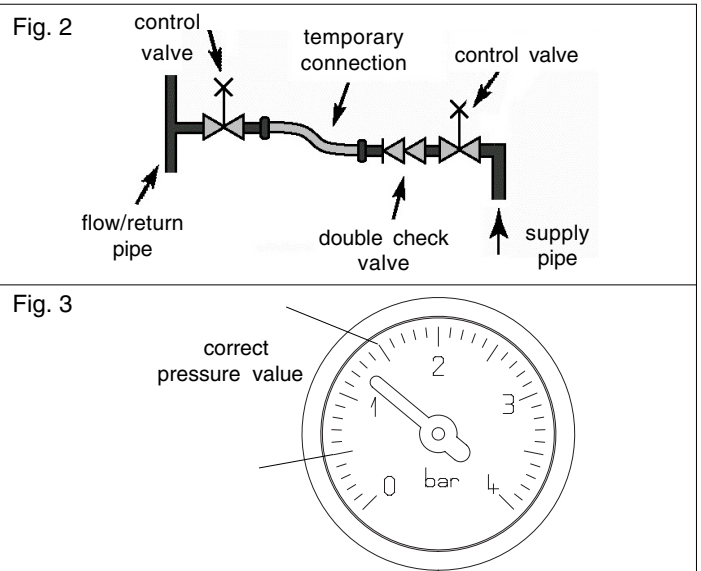
The system can be shut down for short periods by simply turning the mode selector to the OFF position. It is also advisable to turn off the main water supply to the house.

3.5 SHUT DOWN THE SYSTEM FOR LONG PERIODS

If the house is to be left unoccupied for any length of time - especially during the winter - the system should be thoroughly drained of all water. The gas should be turned off at the meter and the main water supply should be turned off at the stopcock. If necessary contact your installer for further advice.

3.6 CARE FOR THE APPLIANCE

To clean the outer casing use only a clean damp cloth. Do not use any scourers or abrasive cleaners.



APPLIANCE LED STATUS INDICATOR

COLOUR	FREQUENCY	FAULTS/STATUS	ACTION REQ'D
Green	Flashing every 6-seconds	At stand-by with no faults	None
	Flashing 8-times every second	SARA function	None
	On every 0.5 second	Temporary fault	Wait
Yellow	On every 0.5 second	Service function	Contact service centre
Red	On every 0.5 second	Safety shutdown and/or final fault	Call service centre
	Solid	Appliance overheat	Call service centre

WHAT IF...

4.1 I SUSPECT A GAS LEAK

If you suspect a gas leak, turn off the gas supply at the gas meter, and contact your installer or local gas supplier. If you require further advice please contact your nearest Vokera office.

4.2 I FREQUENTLY 'TOP-UP' OR 'RE-PRESSURISE' THE SYSTEM

If the system regularly requires topping-up or re-pressurising, it may be indicative of a leak. Please contact your installer and ask him to inspect the system.

4.3 THE FAULT LIGHT IS ON

If the red LED is illuminated it indicates that the appliance has 'locked-out' or has an internal fault. To reset the appliance, make sure the gas supply is on to the appliance. Turn the mode selector switch to the OFF position for a few seconds and then turn it back to its previous position. If the red LED stays on or is illuminated after a few seconds call an engineer.

4.4 THE APPLIANCE IS DUE ITS ANNUAL SERVICE

Advice for tenants only

Your landlord should arrange for servicing.

Advice for homeowners

Please contact Vokera Customer Services **05655057** if you would prefer a Vokera service engineer or agent to service your appliance. Alternatively your local Bord Gas approved engineer may be able to service the appliance for you.

4.5 I NEED TO CALL AN ENGINEER

If you think your boiler may have developed a fault please contact your installer or Vokera Customer Services **05655057** have all your details to hand including full address and relevant contact numbers.

MINIMUM CLEARANCES

Please observe the following minimum clearances required for the safe operation and maintenance of this appliance

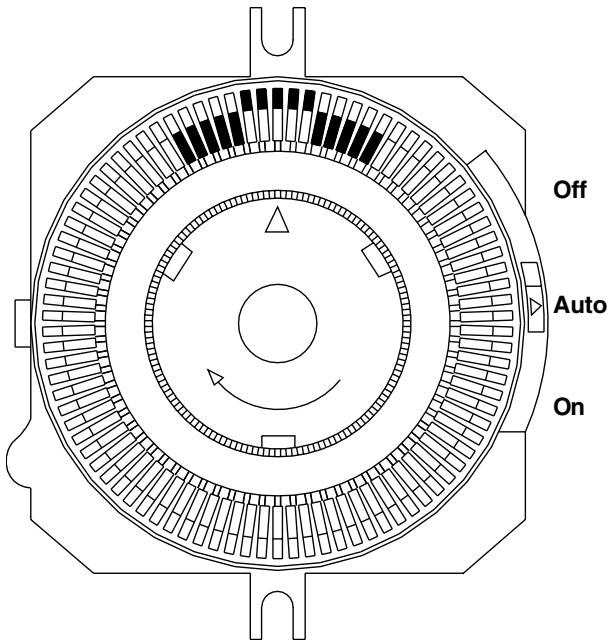
Above the appliance	150mm	6 inches
Below the appliance	150mm	6 inches
Left hand side of appliance	50mm	2 inches
Right hand side of appliance	12mm	1/2 inch
In front of appliance	600mm	24 inches

VOKERA TIMECLOCKS (accessory)

5.1 VOKERA TIME CLOCK

These instructions relate only to the Vokera mechanical time clock. If you have a time clock that is fitted external to the boiler then you should refer to the instructions supplied with such. If in doubt, contact your installer for further advice or assistance.

Fig. 4



Setting the time

The time of day can be set by grasping the outer edge of the black dial and turning it in a clockwise direction until the correct time is in line with the white pointer.

Setting the 'switching times'

The 'ON' periods are set by sliding the black tappets, adjacent to the time periods required, to the outer edge of the dial.

The tappets that remain at the centre of the dial will be the 'OFF' periods.

The smallest switching time (ON or OFF) is 15 minutes.

To select 'Auto' mode move the selector switch in central position.

To select 'On' mode move the selector switch in the bottom position.

To select 'Off' mode move the selector switch in the upper position.



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